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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/810,132	03/26/2004	Sigmund Frigstad	135270 (553-1044)	8833
45436 7590 02/14/2008 DEAN D. SMALL THE SMALL PATENT LAW GROUP LLP			EXAMINER	
			CWERN, JONATHAN	
611 OLIVE STREET, SUITE 1611 ST. LOUIS, MO 63101			ART UNIT	PAPER NUMBER
			3737	
			MAIL DATE	DELIVERY MODE
			02/14/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
	10/810,132	FRIGSTAD ET AL.
Office Action Summary	Examiner	Art Unit
	Jonathan G. Cwern	3737
The MAILING DATE of this communication ap Period for Reply	ppears on the cover sheet with the	correspondence address
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period. - Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATIO .136(a). In no event, however, may a reply be tid d will apply and will expire SIX (6) MONTHS from te, cause the application to become ABANDONI	N. mely filed n the mailing date of this communication. ED (35 U.S.C. § 133).
Status		
Responsive to communication(s) filed on 2/8/ This action is FINAL . 2b) ☑ This 3) ☐ Since this application is in condition for allowed closed in accordance with the practice under	is action is non-final. ance except for formal matters, pr	
Disposition of Claims		
4)	awn from consideration.	
Application Papers		
9) The specification is objected to by the Examin 10) The drawing(s) filed on is/are: a) accomposed and applicant may not request that any objection to the Replacement drawing sheet(s) including the correct the option of the specific states and the specific states are specifically accomposed as a specific state of the specific states are specifically accomposed as a specific state and specific states are specifically accomposed as a specific state and accomposed accomposed as a specific state and accomposed as a specific state and accomposed as a specific state and accomposed accomposed accomposed as a specific state and accomposed accomposed as a specific state and accomposed accomposed as a specific state and accomposed accomposed accomposed as a specific state and accomposed accomposed as a specific state and accomposed accomposed as a specific state and accomposed accomposed accomposed as a specific state accomposed accomposed as a specific state and accomposed accomp	cepted or b) objected to by the drawing(s) be held in abeyance. Section is required if the drawing(s) is ob	ee 37 CFR 1.85(a). pjected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureat* See the attached detailed Office action for a list	nts have been received. nts have been received in Applica ority documents have been receiv au (PCT Rule 17.2(a)).	tion No red in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summar Paper No(s)/Mail I 5) Notice of Informal 6) Other:	oate

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 1/31/08 has been entered.

Claim Objections

Claims 3, 4, 15, 23, and 24 are objected to because of the following informalities: "the myocardium" lacks antecedent basis. Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3, 7-14, 17-18, 21-23, and 25-27 are rejected under 35 U.S.C. 102(b) as being anticipated by Lemelson et al. (US 5878746).

Lemelson et al. show, diagnostic equipment to acquire and analyze new patient data (column 2, lines 6-61); a database of past patient data sets (standard image stored

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in fact database, column 7, lines 1-30); a network for interconnecting said diagnostic equipment and a database (the diagnostic equipment and the database are inherently connected, this connection can be called a "network"; also this interaction occurs in "real-time", as real-time can be any time, and interconnected facilities can be the database and diagnostic equipment itself); a controller for accessing the database based on the new patient data (column 2, lines 55-60) and providing automated instructions, wherein the diagnostic equipment compares new and past patient data to determine whether additional information is needed (column 3, line 62-column 4, line 8) and highlights abnormalities in an a new image (feature extractor can extract tumors (abnormalities) from the image, by extracting the feature, the feature is thus "highlighted"; examiner would further like to point out the definition of "highlight" which is "to attract attention to or emphasize something important", this is accomplished by extracting the tumor feature, column 6, lines 27-58). Also, the diagnostic equipment acquires ultrasound images (column 2, line 12); can identify the size of the heart (column 8, lines 50-52); comparing new and past data (column 7, lines 1-28); and identifying matches between new and past data (column 6, lines 45-50).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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Claims 4, 15, and 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lemelson et al. (US 5878746) in view of Brady et al. (US 7200612).

Lemelson et al. show, diagnostic equipment to acquire and analyze new patient data (column 2, lines 6-61); a database of past patient data sets (standard image stored in fact database, column 7, lines 1-30); a network for interconnecting said diagnostic equipment and a database (the diagnostic equipment and the database are inherently connected, this connection can be called a "network"; also this interaction occurs in "real-time", as real-time can be any time, and interconnected facilities can be the database and diagnostic equipment itself); a controller for accessing the database based on the new patient data (column 2, lines 55-60) and providing automated instructions, wherein the diagnostic equipment compares new and past patient data to determine whether additional information is needed (column 3, line 62-column 4, line 8) and highlights abnormalities in an a new image (feature extractor can extract tumors (abnormalities) from the image, by extracting the feature, the feature is thus "highlighted"; examiner would further like to point out the definition of "highlight" which is "to attract attention to or emphasize something important", this is accomplished by extracting the tumor feature, column 6, lines 27-58). Also, the diagnostic equipment acquires ultrasound images (column 2, line 12); can identify the size of the heart (column 8, lines 50-52); comparing new and past data (column 7, lines 1-28); and identifying matches between new and past data (column 6, lines 45-50).

Brady et al. teach accessing the database based on wall velocity values (column 4, lines 1-10).

It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to have accessed the database based on wall velocity values as taught by Brady et al., in the system of Lemelson et al. Wall velocity values are typically used to analyze the heart, such as to derive the position of the heart, and are clinically significant.

Response to Arguments

Applicant's arguments with respect to claims 1-4, 7-15, 17, 18, and 21-27 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jonathan G. Cwern whose telephone number is (571)270-1560. The examiner can normally be reached on Monday through Friday 9:30AM - 6:00PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Casler can be reached on 571-272-4956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/J. G. C./ Examiner, Art Unit 3737 /Ruth S. Smith/ Primary Examiner, Art Unit 3737